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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/657,288	09/08/2003		Mami Miyasaka	NECF 17.638A	1386
26304	7590	02/25/2004	EXAMINER		
KATTEN MUCHIN ZAVIS ROSENMAN				MOHAMEDULLA, SALEHA R	
575 MADISON AVENUE NEW YORK, NY 10022-2585			ART UNIT	PAPER NUMBER	
NEW TORK	.,			1756	

DATE MAILED: 02/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<u> </u>	Application No.	Applicant(s)					
	10/657,288	MIYASAKA, MAMI					
Office Action Summary	Examiner	Art Unit					
	Saleha R. Mohamedulla	1756					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply of the period for reply is specified above, the maximum statutory period of Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 08 Se	Responsive to communication(s) filed on 08 September 2003.						
2a) This action is <b>FINAL</b> . 2b) ⊠ This	action is non-final.						
· · · · · · · · · · · · · · · · · · ·	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) 1-7 is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
6)⊠ Claim(s) <u>1-7</u> is/are rejected.							
7) Claim(s) is/are objected to.							
8) Claim(s) are subject to restriction and/o	r election requirement.						
Application Papers							
9) The specification is objected to by the Examine	r.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No. 09/641,125.							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)	"П <b>.</b>	(DTO 440)					
Notice of References Cited (PTO-892)     Notice of Draftsperson's Patent Drawing Review (PTO-948)	4)						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  Paper No(s)/Mail Date 9/8/03.	5) Notice of Informal P 6) Other:	atent Application (PTO-152)					
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#### **DETAILED ACTION**

Claims 1-7 are pending.

### Specification

1. The specification should be amended to include the patent number of the patent that issued from the parent application as well as updated related application data.

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

- 2. Claims 1-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.
- 3. Claim 1 recites in line 4, "formed in a defective among...." Formed in a defective what? It is unclear as to what is defective. Claims 2-7 are rejected as being dependent on claim 1.

# Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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4. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by US# 5,885,747 to Yamasaki.

Yamasaki teaches a charged beam pattern drawing method. The method comprises preparing first pattern exposure data related to the desired pattern on a photo lithographic mask, the desired pattern having predetermined angles and sides and obtained by enlarging a shape on a wafer by a predetermined magnification (col. 3, lines 25-33). Therefore, Yamasaki teaches the claim 1 limitations drawn to a main mask having a plurality of first defined masks because Yamasaki teaches first pattern exposure data. Yamasaki then teaches forming second pattern exposure data related to an auxiliary pattern having a predetermined shape and formed on the photo lithographic mask for prevention of the desired pattern from being unclear on the wafer (col. 3, lines 34-39). Therefore, Yamasaki teaches one or more non-defective second defined masks each having a pattern configuration to be formed in a defective among said first defined masks because Yamasaki teaches second exposure data related to an auxiliary pattern formed on the mask and used to modify the desired pattern. The second masks are non-defective because they are used to prevent the desired pattern from being unclear on the wafer. Yamasaki also teaches that one or more compensation masks include the non-defective second defined masks because there are four auxiliary, or second, masks to form one compensation mask for the main pattern, as shown in Figures 7B and 7C. The masks are on the same substrate as Yamasaki teaches they are on the same photolithographic mask. Because Yamasaki teaches a drawing method, Yamasaki teaches a stencil or membrane mask. The first pattern exposure data includes more than one pattern, therefore, Yamasaki teaches non-defective third defined masks to be

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formed in the first defined masks. Figures 7B and 7C show a plurality of identically patterned defined masks that are adjacent to and in the periphery of the main mask.

#### Conclusion

5. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Saleha Mohamedulla whose telephone number is (571) 272-1387. The Examiner can normally be reached Monday-Friday, from 8:00 AM to 4:30 PM.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Mark Huff, can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Saleha R. Mohamedulla

Patent Examiner

Technology Center 1700

February 18, 2004